



**MILWAUKEE COUNTY**  
**AUTOMATED MAPPING AND**  
**LAND INFORMATION SYSTEM**

c/o Department of  
Parks and Public Infrastructure  
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**MEMORANDUM**

**TO:** MCAMLIS Steering Committee

**FROM:** Kevin R. White, MCAMLIS Project Manager

**DATE:** April 29, 2005

**SUBJECT:** Proposed Program for the Migration of the County Maintained MCAMLIS Cadastral Data Holdings to a Geodatabase Environment.

**BACKGROUND**

At the June 2003 meeting of the MCAMLIS Steering Committee, two work proposals were submitted for your consideration, Reorganization of Digital Cadastral Base into a Continuous Base Map and Extension of the Milwaukee County Street Address Database. While the County believed that these two work efforts would be of value to the County and other MCAMLIS members, we felt that to move forward as proposed would cause serious problems for the maintenance and usability of these data products by the County.

At the July, 2003 MCAMLIS Steering Committee meeting, the County proposed and the committee approved a request for funding for the County to proceed with an internal study to develop geodatabase designs for the conversion MCAMLIS data holdings. The study focused on a County needs assessment, municipal database design workshops, detailed database designs and implementation strategies.

In January 2004, the County began its needs assessment and database design study. At the November 2004 meeting, after careful review by all MCAMLIS Steering committee members, the technical specifications for the migration of the MCAMLIS data were approved.

**NEED FOR CONVERSION OF MCAMLIS DATA HOLDINGS**

Milwaukee County, and its departments and offices, have determined that a number of significant opportunities exist to improve their internal management and use of geographic and land information data and systems (GIS/LIS). In particular, there is an opportunity to improve both the efficiency and effectiveness of departments in carrying out their missions and mandates by embracing an enterprise-wide approach to GIS. To that end, the County has determined that it needs a coordinated effort to continue to build a countywide enterprise GIS.

## MIGRATION PLAN

The cadastral coverage migration consists of three main tasks:

### Conversion of MCAMLIS Cadastral Data to Geodatabase Format

- Conversion and cleanup of current MCAMLIS coverage data to new database format. This includes creation and attribution of polygons for the representation of CSM, Subdivision, Easement and Condominium features.
- Verification of MCAMLIS cadastral data with ROD tax listing maps.

### Creation of Land Record Map Series

- Creation of digital and hardcopy map series that corresponds with current ROD tax listing map series.
- Annotation database design, conversion of coverage annotation, and the creation of additional annotation features needed to support the new land records map series.

### Geodatabase Maintenance and Support System

- Creation of map update tools for maintenance of MCAMLIS cadastral data.
- Training for ROD staff on new cadastral maintenance process.
- Creation of tools for the conversion of cadastral data to MCAMLIS supported formats.

These tasks are to be completed utilizing temporary staff and current MCAMLIS project staff. Outside consultants may be used for technical support on a time and materials basis.

## RECOMMENDATION

Based on the county's assessment of this issue and the recommendations from the database design study, we are requesting that the MCAMLIS Steering Committee approve expenditure not to exceed \$75,000 to begin the migration tasks listed.

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